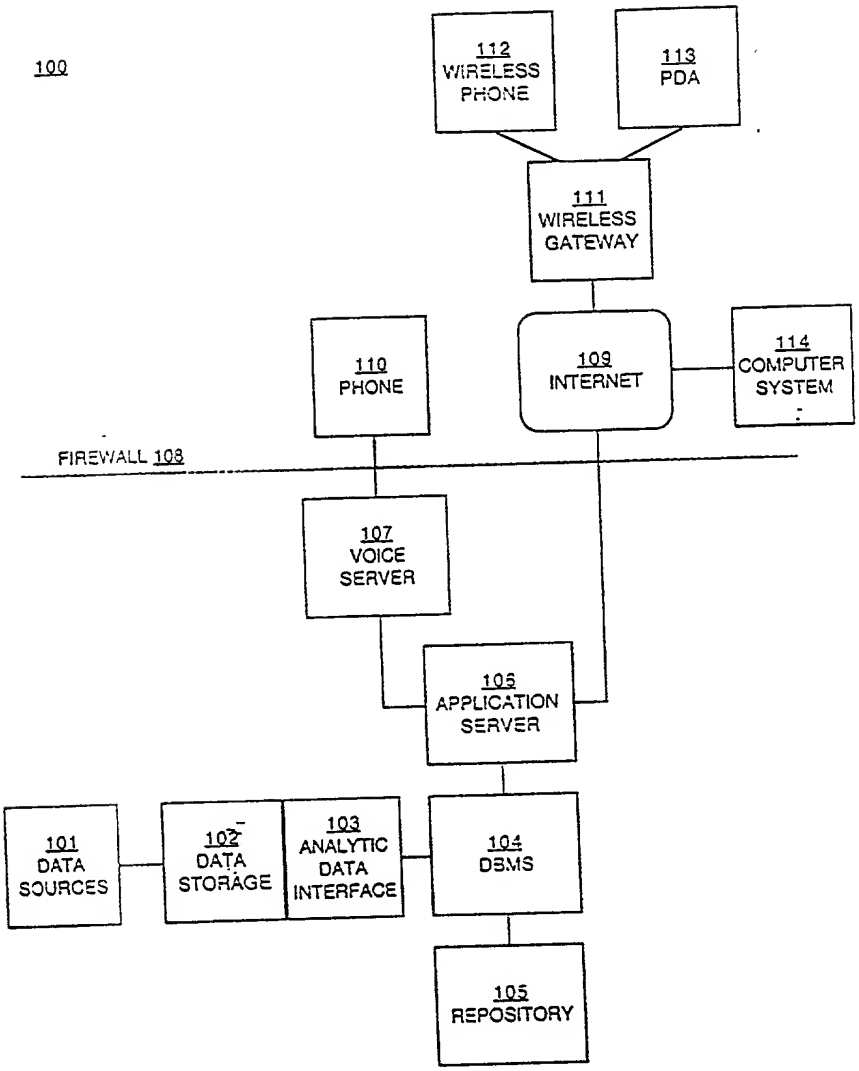
100
112
WIRELESS
PHONE
113
PDA
111
WIRELESS
GATEWAY
110
PHONE
109
INTERNET
114
COMPUTER
SYSTEM
FIREWALL 108
107
VOICE
SERVER
106
APPLICATION
SERVER
101
DATA
SOURCES
102
DATA
STORAGE
103
ANALYTIC
DATA
INTERFACE
104
DBMS
105
REPOSITORY

Figure 1

20230-9876567

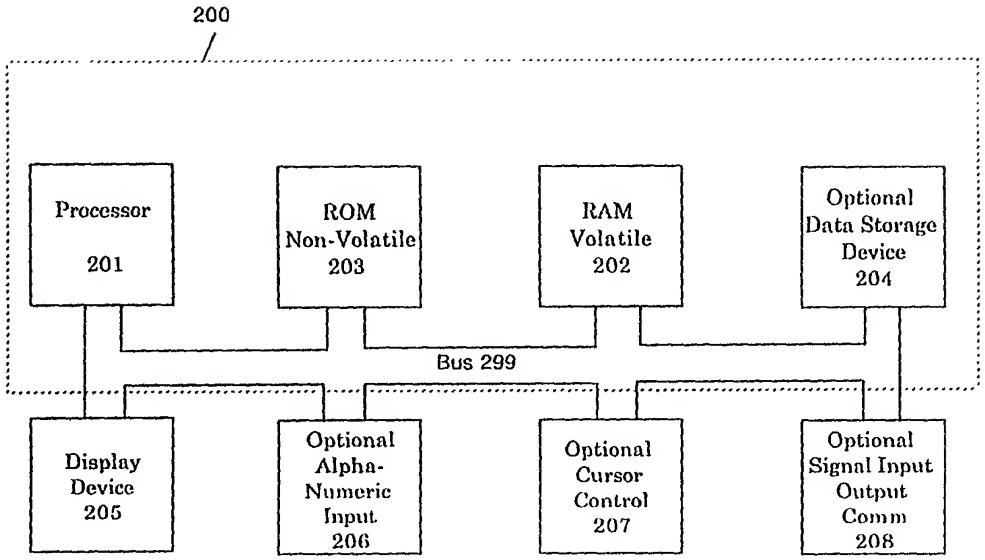

Fig. 2

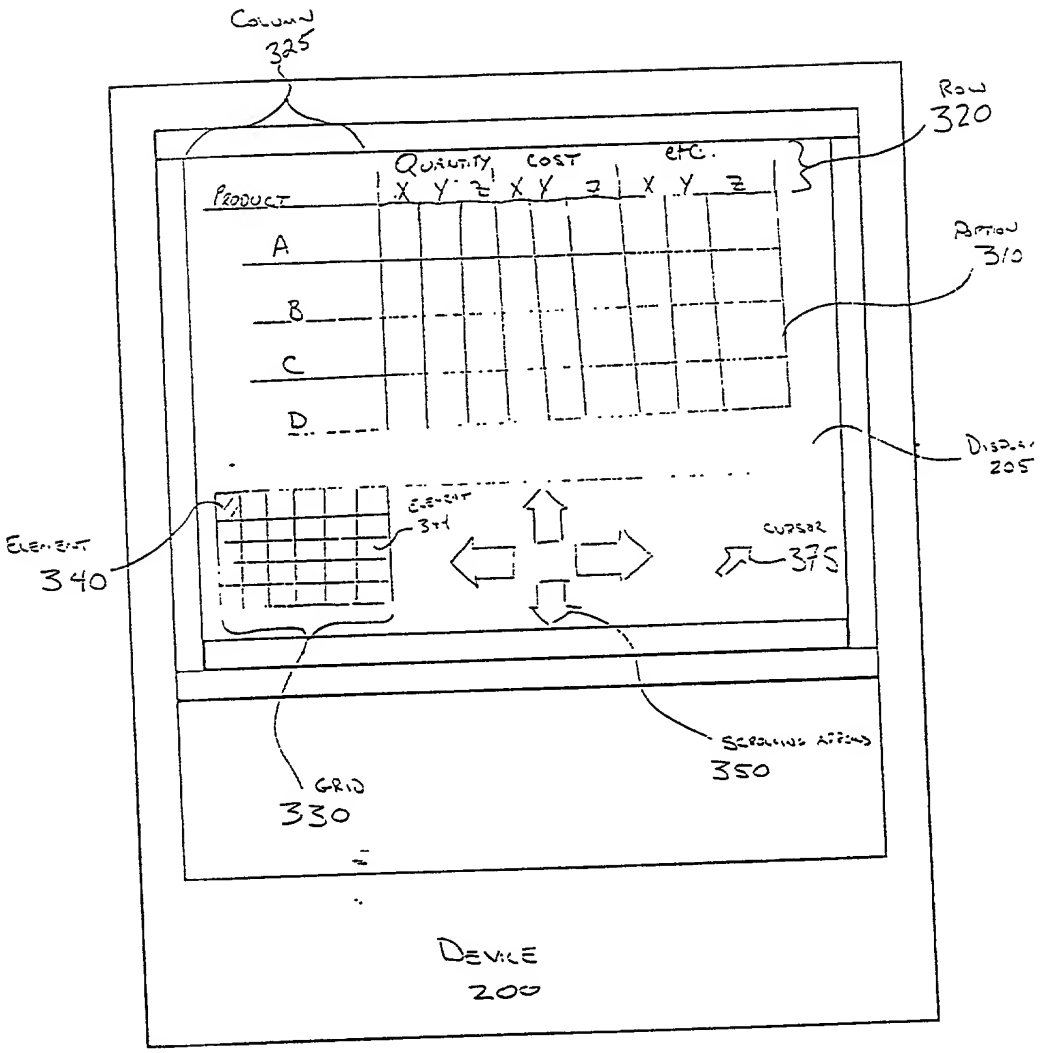
300
COLUMN
325
ROW
320
QUANTITY
COST
etc.
PRODUCT
X Y Z X Y Z X Y Z
A
B
C
D
ACTION
310
DISPLAY
205
ELEMENT
340
ELEMENT
345
CURSOR
375
GRID
330
SCROLLING ARROWS
350
DEVICE
200

FIG. 3

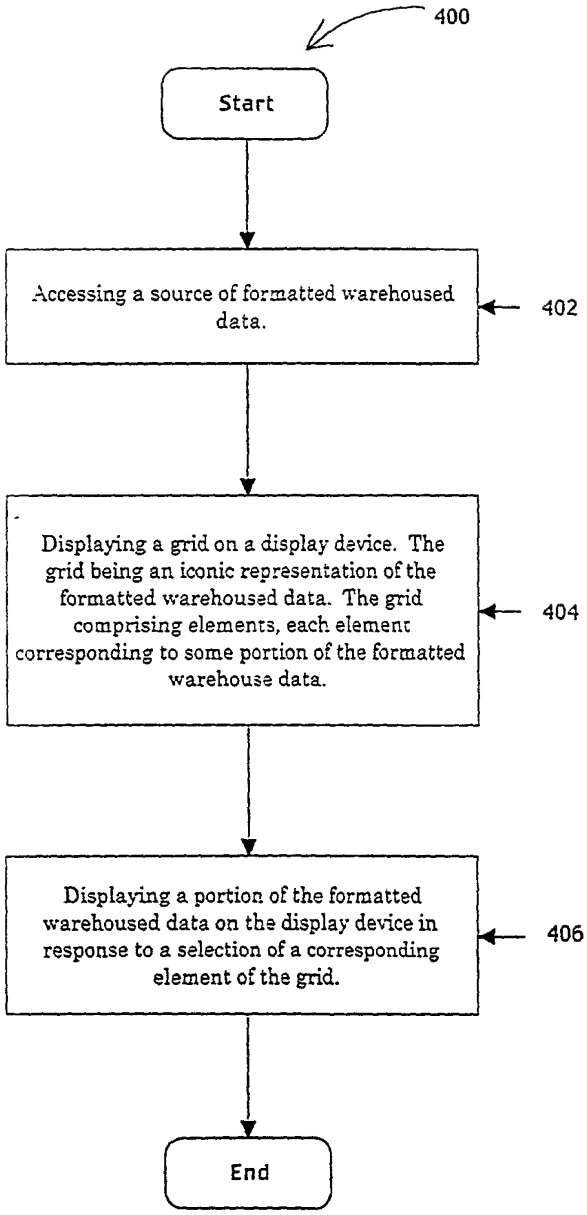
400
Start
Accessing a source of formatted warehoused data.
402
Displaying a grid on a display device. The grid being an iconic representation of the formatted warehoused data. The grid comprising elements, each element corresponding to some portion of the formatted warehouse data.
404
Displaying a portion of the formatted warehoused data on the display device in response to a selection of a corresponding element of the grid.
406
End

FIG.4

500

SIZE / PRODUCT	S		M		L		TOTAL	
	Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost
A	1NA	1XA	2NA	2XA	3NA	3XA	NA	XA
B	1NB	1XB	2NB	2XB	3NB	3XB	NB	XB
C	1NC	1XC	2NC	2XC	3NC	3XC	NC	XC
TOTAL	NS	XS	NM	XM	NL	XL	NA+NB +NC	XA+XB +XC

FIG. 5A

520

PRODUCT	QUANTITY	COST
A	NA	XA
B	NB	XB
C	NC	XC
TOTAL	NA+NB+NC	XA+XB+XC

FIG. 5B

540

PRODUCTS	QUANTITY	COST
TOTAL	NA+NB+NC=N	XA+XB+XC=X

FIG. 5C

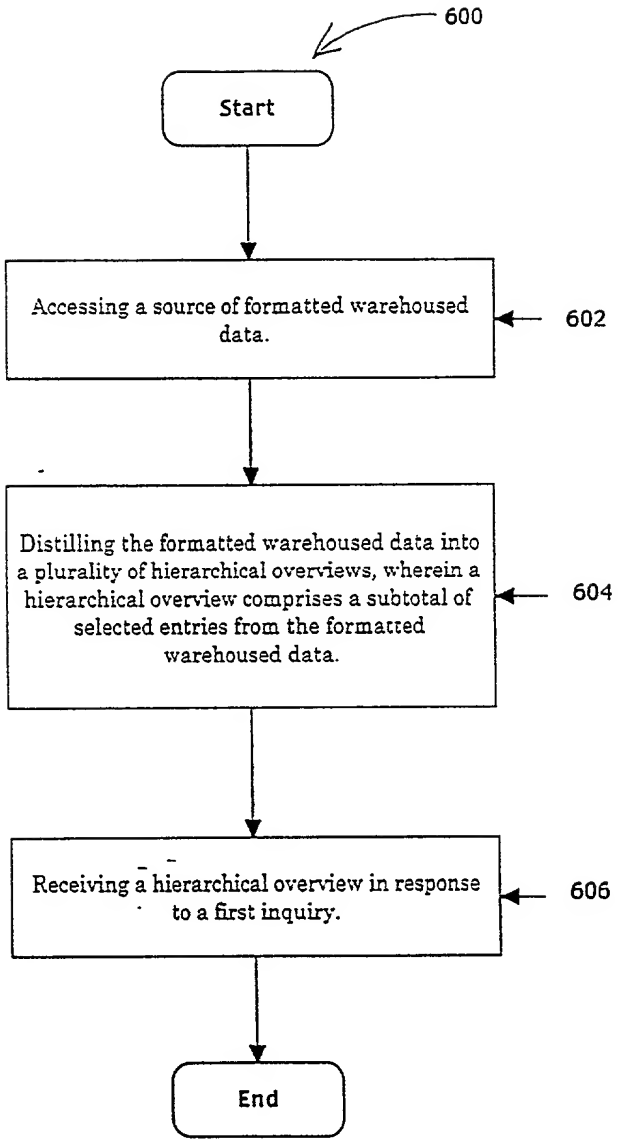
600
Start
Accessing a source of formatted warehoused data.
602
Distilling the formatted warehoused data into a plurality of hierarchical overviews, wherein a hierarchical overview comprises a subtotal of selected entries from the formatted warehoused data.
604
Receiving a hierarchical overview in response to a first inquiry.
606
End

FIG.6